



PATENT  
Attorney Docket No. MIT-051CN2  
(058420/159519)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: Zilles *et al.* CONFIRMATION NO.: 8320  
SERIAL NO.: 10/055,565 GROUP NO.: 2173  
FILING DATE: October 26, 2001 EXAMINER: Pillai, Namitha  
TITLE: METHOD AND APPARATUS FOR DETERMINING FORCES TO BE  
APPLIED TO A USER THROUGH A HAPTIC INTERFACE

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**FIFTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Sir:

In accordance with the provisions of 37 C.F.R. 1.97 and 1.98, Applicant hereby makes of record the patents and publications listed on the accompanying Form PTO-1449, and other information contained herein, for consideration by the Examiner in connection with the examination of the above-identified patent application. In accordance with 37 C.F.R. 1.98(a)(2), only copies of the foreign patent documents and/or non-patent publications are enclosed.

**REMARKS**

In accordance with the provisions of 37 C.F.R. 1.97, this statement is being filed (CHECK ONE):

- ☒ (1) within three (3) months of the **filing date** of a national application other than a continued prosecution application under 37 C.F.R. 1.53(d), or within three (3) months of the **date of entry of the national stage** as set forth in 37 C.F.R. 1.491 in an international application, or before the mailing of the **first Office action** on the merits, or before the mailing of a **first Office action** after the filing of a request for continued examination under 37 C.F.R. 1.114; or
- ☐ (2) after the period defined in (1) but before the mailing date of a **final action** or a **notice of allowance** under 37 C.F.R. 1.311, and
- ☐ the requisite Statement is below, **OR**
- ☐ the requisite fee under 37 C.F.R. 1.17(p), namely **\$180.00**, is included herein, or

- ☐ (3) after the mailing date of a **final action** or **notice of allowance** but before the payment of the **issue fee**, **AND**
- ☐ the requisite Statement is below, **AND**
- ☐ the requisite petition fee under 37 C.F.R. 1.17(p), namely **\$180.00** is included herein.

In addition, Applicants wish to inform the Examiner of the following co-pending applications:

- 1) U.S. Serial No. 09/356,289, Attorney Docket No. SNS-007, filed on 7/16/99, by Rodomista et al.
- 2) U.S. Serial No. 09/574,131, Attorney Docket No. SNS-001CN, filed on 5/18/00, by Tarr et al.
- 3) U.S. Serial No. 10/017,148, Publication No. 2002-0089500, Attorney Docket No. SNS-009B, filed on 12/14/01, by Jennings et al.;
- 4) U.S. Serial No. 10/055,565, Attorney Docket No. MIT-051C2, filed on 10/26/01, by Zilles et al.;
- 5) U.S. Serial No. 10/650,155, Attorney Docket No. SNS-010C1, filed on 8/28/03, by Goodwin et al.;
- 6) U.S. Serial No. 10/697,174, Attorney Docket No. SNS-016, filed on 10/30/03, by Levene et al.;
- 7) U.S. Serial No. 10/697,963, Publication No. 2005-0093821, Attorney Docket No. SNS-011, filed on 10/30/03, by Massie et al.;
- 8) U.S. Serial No. 10/733,860, Publication No. 2005-0128210, Attorney Docket No. SNS-017, filed on 12/10/03, by Berger;
- 9) U.S. Serial No. 10/733,862, Publication No. 2005-0128211, Attorney Docket No. SNS-013, filed on 12/10/03, by Berger et al.;
- 10) U.S. Serial No. 10/844,257, Publication No. 2005-0001831, Attorney Docket No. SNS-006CP1B, filed on 05/12/04, by Shih et al.;
- 11) U.S. Serial No. 10/856,699, Attorney Docket No. SNS-014, filed on 5/28/04, by Berger et al.;
- 12) U.S. Serial No. 10/900,034, Publication No. 2005-0062738, Attorney Docket No. SNS-006CP2A, filed on 07/27/04, by Handley et al.;
- 13) U.S. Serial No. 10/990,226, Attorney Docket No. MIT-075C3, filed on 11/16/04, by Massie et al.; and
- 14) U.S. Serial No. 11/053,592, Attorney Docket No. SNS-009AC1, filed on 2/28/05, by Payne.

It is respectfully requested that each of the patents and publications listed on the attached Form PTO-1449, and other information contained herein, be made of record in this application.

#### STATEMENT

As required under 37 C.F.R. 1.97(e), Applicant(s), through the undersigned, hereby state either that [check the appropriate space only if either (2) or (3) is checked on the previous page and the Statement is required]:

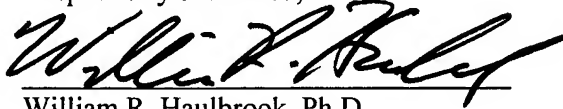
- ☐ 1. Each item of information contained in the Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application **not more than three months** prior to the filing of the Information Disclosure Statement; or
- ☐ 2. No item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing this Statement after making reasonable inquiry, no item of information contained in the Information Disclosure Statement was known to **any individual** designated in 37 C.F.R. 1.56(c) **more than three months** prior to the filing of the Information Disclosure Statement.

Date: November 17, 2006  
Reg. No. 53,002

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Respectfully submitted,



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FORM PTO - 1449 FIFTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT				ATTORNEY DOCKET NO.: MIT-051CN2 APPLICANT(S): Zilles et al. SERIAL NO.: 10/055,565 FILING DATE: October 26, 2001 GROUP: 2173					
U.S. PATENT DOCUMENTS									
EXAM. INIT.		DOCUMENT NUMBER	DATE	NAME		CLASS	SUB CLASS	FILING DATE IF APPROPRIATE	
FOREIGN PATENT DOCUMENTS									
EXAM. INIT.		DOCUMENT NUMBER	DATE	COUNTRY CODE	CLASS	SUB CLASS	FILING DATE	ABSTRACT ONLY	ENGLISH LANG (Y/N)
OTHER ART, JOURNAL ARTICLES, ETC.									
EXAM. INIT.		OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication)							
	C116	Gibson, "Beyond Volume Rendering: Visualization, Haptic Exploration, and Physical Modeling of Voxel-based Objects," 1995, Mitsubishi Electric Research Laboratories, Inc., Technical Report 95-04, 6 <sup>th</sup> Eurographics Workshop on Visualization in Scientific Computing, pp. 1-14 (1995).							

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EXAMINER	DATE CONSIDERED
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